WHAT IS CLAIMED IS:

1.   A method of generating three-dimensional form data comprising the steps of:

generating horizontal closed curves and vertical lines intersecting the closed curves, the closed curves and the lines including a three-dimensional form model;

projecting the closed curves and the lines to the three-dimensional form model to generate a curved surface including a curve group along the three-dimensional form model; and

modifying the curved surface by moving lines in the curve group projected to the three-dimensional form model.

2.   ~~A method of generating three-dimensional form data~~ comprising the steps of:

generating horizontal closed curves and vertical lines intersecting the closed curves, the closed curves and the lines including a three-dimensional form model;

projecting the closed curves and the lines to the three-dimensional form model to generate a curved surface including a curve group along the three-dimensional form model; and

modifying the curved surface by moving lines in the ~~curve group projected to the three-dimensional form model~~.

2.   The method according to claim 1, wherein said curve group comprises a parametric curve group.

3.   The method according to claim 2, wherein in said
modifying step, by moving control points of the parametric
curve group, a part of the parametric curve group in corre-
spondence to the movement of the control points is moved along
the surface of the form model.

4.   The method according to claim 3, wherein the three-
dimensional form data are generated by using a display device.

5.   The method according to claim 1, wherein said curve
group comprises a spline curve group.

6.   The method according to claim 5, wherein the three-
dimensional form data are generated by using a display device.

7.   A method of generating three-dimensional form data
comprising the steps of:

generating horizontal closed curves and vertical
lines intersecting the closed curves, the closed curves and
the lines including a three-dimensional form model;

projecting the closed curves and the lines to the
three-dimensional form model to generate a curved surface
including a curve group along the three-dimensional form
model; and

adding a line projected to the three-dimensional
form model to the curve group projected to the three-dimen-
sional form model wherein the curved surface is modified.

8.   A method of generating three-dimensional form data
comprising the steps of:

generating horizontal closed curves and vertical lines intersecting the closed curves, the closed curves and the lines including a three-dimensional form model;

projecting the closed curves and the lines to the

5   three-dimensional form model to generate a curved surface including a curve group along the three-dimensional form model; and

deleting a line in the curve group projected to the three-dimensional form model wherein the curved surface is

10 modified.

9.   A memory for storing a method for generating thee-dimensional form data, the memory comprising:

a means for generating horizontal closed curves and vertical lines intersecting the closed curves, the closed

15 curves and the lines including a three-dimensional form model;

a means for projecting the closed curves and the lines to the three-dimensional form model to generate a curved surface including a curve group along the three-dimensional form model; and

20   a means for modifying the curved surface by moving lines in the curve group projected to the three-dimensional form model.

10.   The memory according to claim 9, wherein said memory comprises a magnetic medium.

11.   The memory according to claim 9, wherein said memory comprises a flexible disk.

12.   The memory according to claim 9, wherein said memory comprises a hard disk.

5   13.   A memory for storing a method of generating three-dimensional form data comprising:

a means for generating horizontal closed curves and vertical lines intersecting the closed curves, the closed curves and the lines including a three-dimensional form model;

10   a means for projecting the closed curves and the lines to the three-dimensional form model to generate a curved surface including a curve group along the three-dimensional form model; and

a means for adding a line projected to the three-dimensional form model to the curve group projected to the three-dimensional form model wherein the curved surface is modified.

14.   The memory according to claim 13, wherein said memory comprises a magnetic medium.

20   15.   The memory according to claim 13, wherein said memory comprises a flexible disk.

16.   The memory according to claim 13, wherein said memory comprises a hard disk.

17.   A memory for storing a method for generating three-

25   dimensional form data comprising:

a means for generating horizontal closed curves and vertical lines intersecting the closed curves, the closed curves and the lines including a three-dimensional form model;

a means for projecting the closed curves and the

5 lines to the three-dimensional form model to generate a curved surface including a curve group along the three-dimensional form model; and

a means for deleting a line in the curve group projected to the three-dimensional form model wherein the

10 curved surface is modified.

18. The memory according to claim 17, wherein said memory comprises a magnetic medium.

19. The memory according to claim 17, wherein said memory comprises a flexible disk.

15 20. The memory according to claim 17, wherein said memory comprises a hard disk.

21. An apparatus of generating three-dimensional form data comprising:

a means for generating horizontal closed curves and

20 vertical lines intersecting the closed curves, the closed curves and the lines including a three-dimensional form model;

a means for projecting the closed curves and the lines to the three-dimensional form model to generate a curved surface including a curve group along the three-dimensional

25 form model; and

a means for adding a line projected to the three-dimensional form model to the curve group projected to the three-dimensional form model wherein the curved surface is modified.

5   22.   An apparatus of generating three-dimensional form data comprising:

a means for generating horizontal closed curves and vertical lines intersecting the closed curves, the closed curves and the lines including a three-dimensional form model;

10   a means for projecting the closed curves and the lines to the three-dimensional form model to generate a curved surface including a curve group along the three-dimensional form model; and

a means for deleting a line in the curve group

15   projected to the three-dimensional form model wherein the curved surface is modified.